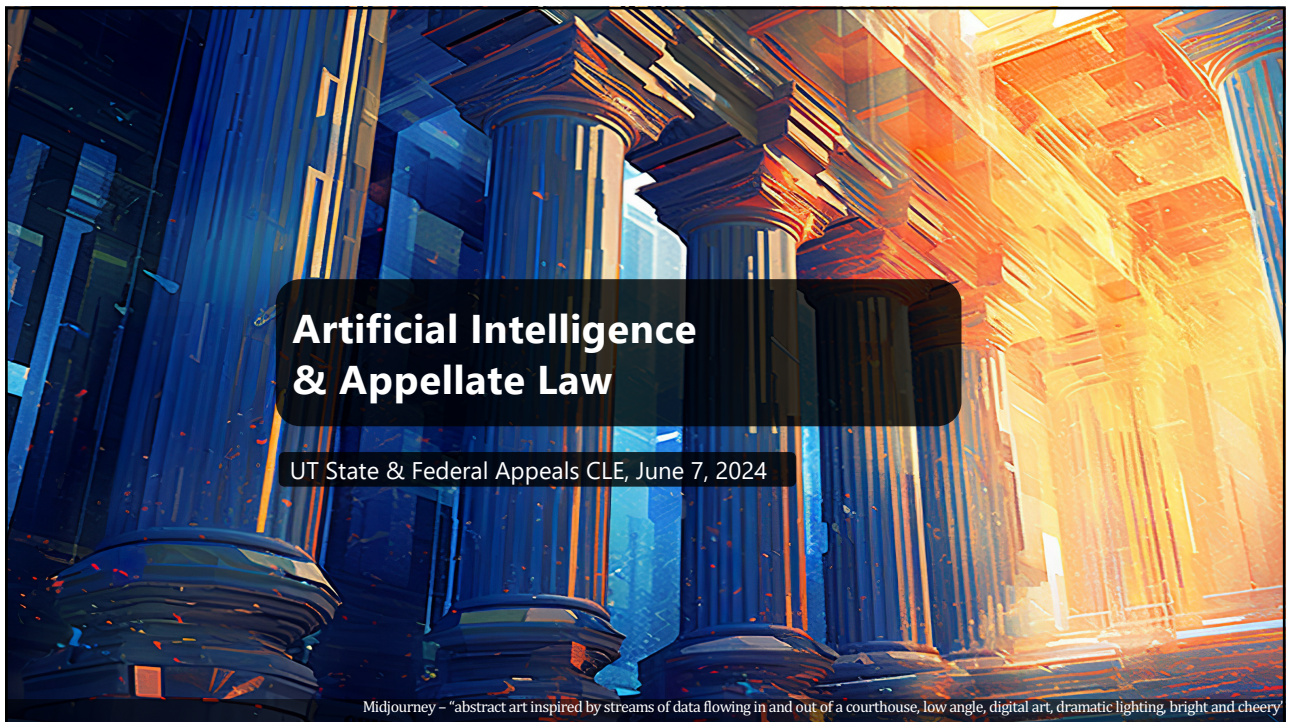




Artificial Intelligence & Appellate Law

UT State & Federal Appeals CLE, June 7, 2024

Midjourney - "abstract art inspired by streams of data flowing in and out of a courthouse, low angle, digital art, dramatic lighting, bright and cheery"

1

Introductions



Parker Hancock
Senior Associate, Baker Botts, L.L.P.



Peter Hansen
Senior Counsel, Jackson Walker, L.L.P.

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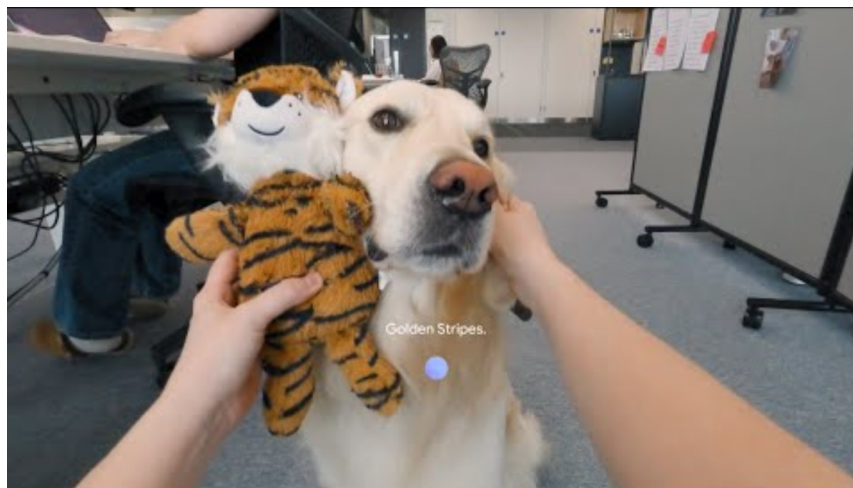
2



3

Where are we in AI today?

Advanced, Multi-Modal, Large Language Models



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4

Why do we care?

Large Language Models Could Pass the MBE

GPT-4 Passes the Bar Exam

Daniel Martin Katz^{1,2,3,4,*}, Michael James Bommarito^{1,2,3,4}, Shang Gao⁵, and Pablo David Arredondo^{2,5}

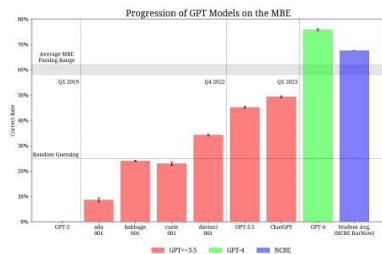


Figure 1. Progression of Recent GPT Models on the Multistate Bar Exam (MBE)

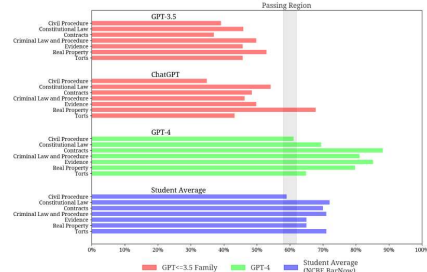


Figure 2. Progression of Recent GPT Models by Legal Subject Area

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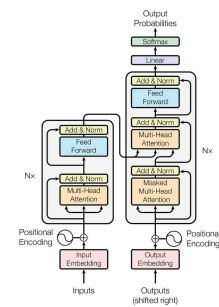
What is a Language Model?

Foundations of Language Modeling

- A **Language Model** is a neural network that is:
 - Pre-Trained** on a large body of unstructured text;
 - Fine-Tuned** to perform a specific task;
 - Prompted** with a request;
 - Provided** with information relevant to the request; and
 - Answers** the request by generating text or other information.

Training

Inference



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Also available as part of the eCourse

[AI and Appeals: Current Techniques, Ethical Issues, and Future Considerations](#)

First appeared as part of the conference materials for the
34th Annual Conference on State and Federal Appeals session

"AI and Appeals: Current Techniques, Ethical Issues, and Future Considerations"